

Title (en)
Internal combustion engine

Title (de)
Brennkraftmaschine

Title (fr)
Moteur à combustion interne

Publication
EP 1156202 B1 20060111 (EN)

Application
EP 01111843 A 20010516

Priority
• JP 2000149834 A 20000517
• JP 2000152705 A 20000518

Abstract (en)
[origin: EP1156202A2] A first combustion where the amount of the EGR gas supplied into the combustion chamber 5 is larger than the amount of EGR gas where the amount of production of soot peaks and almost no soot is produced and a second combustion where the amount of EGR gas supplied into the combustion chamber 5 is smaller than the amount of EGR gas where the amount of production of soot peaks are selectively switched and, when the first combustion is performed, not only a main injection which is performed near a compression top dead center, but also a further injection which is performed at a different timing from a timing of the main injection is performed thereby to form a peroxide which is used to compensate for the lack of oxygen concentration that is due to the first combustion. <IMAGE>

IPC 8 full level
F02D 21/08 (2006.01); **F02D 41/00** (2006.01); **F02D 41/40** (2006.01); **F02P 19/00** (2006.01)

CPC (source: EP)
F02D 21/08 (2013.01); **F02D 41/3041** (2013.01); **F02D 41/402** (2013.01); **F02P 19/026** (2013.01); **F02M 26/06** (2016.02); **F02M 26/15** (2016.02); **F02M 26/23** (2016.02); **F02M 26/35** (2016.02); **Y02T 10/40** (2013.01)

Cited by
EP1316703A3; EP2927464A1; US7284366B2

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DE FR GB IT SE

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EP 1156202 A2 20011121; **EP 1156202 A3 20031015**; **EP 1156202 B1 20060111**; DE 60116546 D1 20060406; DE 60116546 T2 20060824

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